

SOCHOR, B.

SOCHOR, B. The fifth International Ceramic Congress in Austria. p. 749.

Vol. 11, no. 12, Dec. 1956 HUTNICKE LISTY TECHNOLOGY Czechoslovakia

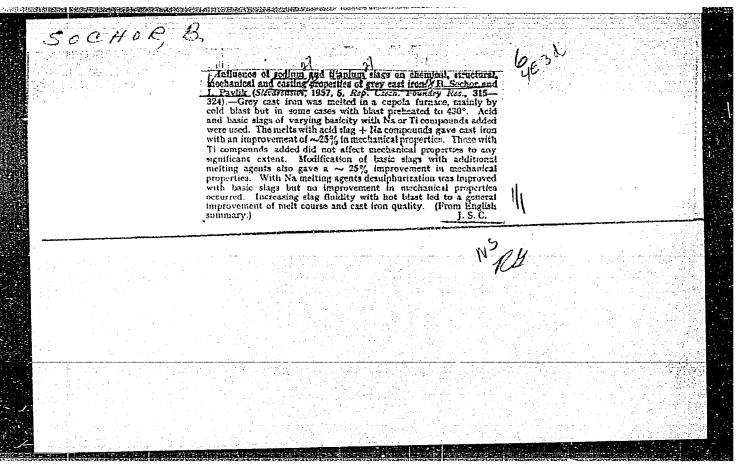
So: East European Accession, Vol. 6, No. 5, May 1957

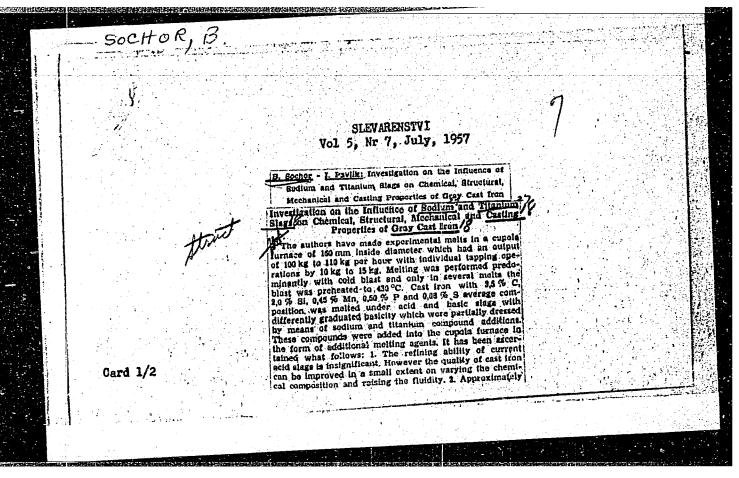
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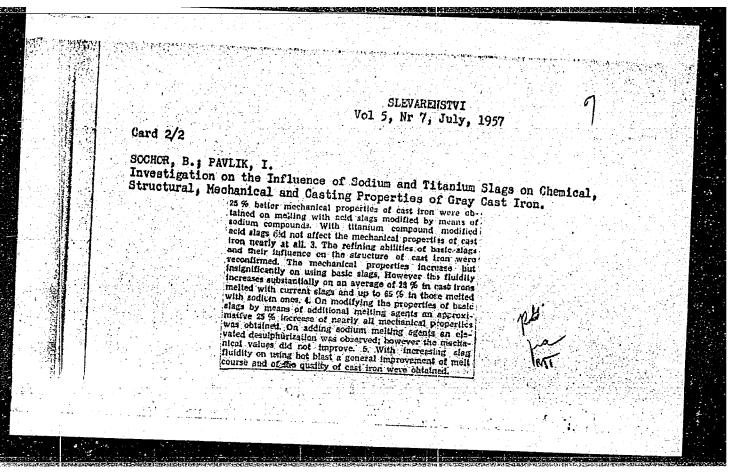
Macessity of a more extensive application of the electrothermic apparatus in Folish industry.

p. 3h0 (Przerled Techniczny, Vol. 77, no. 8, Aug. 1956. Wroszawa, Feland)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 2, February 1958







SCCHCR, D.

Model cupola of the VIMT (Research Institute of Materiel and Technological Processes) in Erno with a preheated wind and water-cooled fusion zone.

p. 257 (Slevarenstvi) Vol. 5, no. 9, Sept. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, 1958

| SoGHOR, B, | Slevarenstvi, Vol. 6, Nr. 1, 1958  B. Suchor: Effect of Melting Process on the Malicable  | ができた。<br>では、これでは、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、これでは、<br>では、<br>では、<br>では、<br>では、<br>では、<br>では、<br>では、  |
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|            | Itras Quality / Effect of Melting Process on the Mallenhie Lean Quality The adhor deals with the effect of slags of various compositions on the quality of east iron for multeshifization. The east iron was melted in an acid lined cupola. By experimental melts it was shown that small additions of sails and boric compositions in the charge increase the sluidity of slags and   | and the second s |
|            | Soda additions (I per cent of metallic charge) produced an increase of mechanical properties of the cast iron and additions of baric compositions (melted barax, glasses of the orthoboric acid and waste in the production of borax) deteriorate slightly the mechanical properties. Boron passed from the slag into the cast iron in quantities of thousandths to tenths of per cent and influenced clearly its structure. In thousandths quantities the boron had a favourable effect on the cementite decomposition and enabled thus a shortening of the malleabilizing cycle. The pre-heated wind used in several melts improved the results in all aspects. | Alternation production and the second  |
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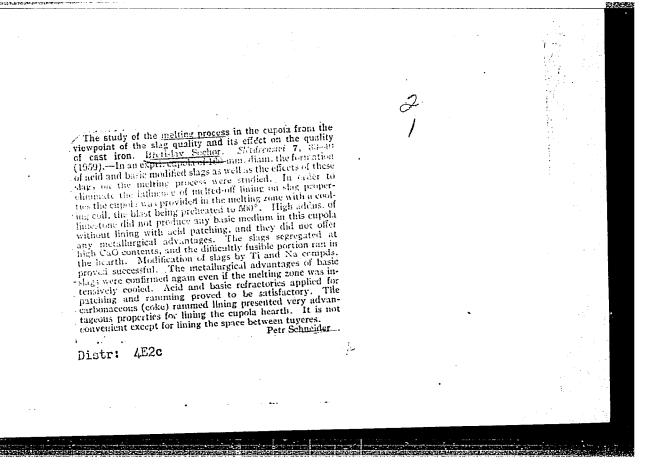
SOCHOR, Bronislaw; KACKI, Edward

Heating of steel tapes in motion by means of the direct resistance method. Elektryka Lodz no.4:3-14 \*58.

1. Department of Electric Heating, Institute of Technology, Lodz.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651910019-8"

Н : CZECHOSLOVAKIA : Chemical Technology. Chemical Products and Their CCUNTRY CATEGORY Application.Pesticides. ABG. JUUR. : REMENSA., No. 17, 1955, No. 61095 : Sochor, P. AUTHOR Not given : Utilization of Naphthenic Acids and of Their INSTITUTE Salts as Bacteriocides and Fungicides. TITLE : Textil (Ceskosl.), 1958, 13, No 5, 187-180 ORIG. PUB. : No abstract. ABSTRACT 1/1 Card:



#### SOCHOR, E.

Research on experimental cupola-furnace operation with a pipe-type heat recuperator. p. 381.

SLEVARENSTVI. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenska vedecka technicka spolecnost pro hutnictvi a slevarenstvi) Praha, Czechoslovakia. Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LO, Vol. 8, no. 12, Dec. 1959. UNCL

SOCHOR, E.

The share of electrothermics in the consumption of electric power. p. 75.

FREZEGIAD ELEKTROFECT ICTMT. (Stowarzyszenie Elektrykow Polskich) Warszawa, Poland. Vol 35, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 8, Aug. 1959. Uncl.

#### SOCHOR, B.

Problem of the economy of electric heating in Poland, p. 192.

PRZEGLAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektrykow Polskich) Warszawa, Poland, Vol. 35, no. 5, May 1959.

Monthly list of East European Accessions (EEAI) IC, Vol. 9, no. 1, Jan. 1960.

Uncl.

SOCHOR, Bronislaw, prof., mgr., ins.

Electric accumulative heating of use water and of dwellings. Energetyka przem 9 no.10:350-353 '61.

1. Katedra Grzejnictwa Elektrycznego Politechniki Lodzkiej.

#### SOCHOR, Bretislav

Viscose properties of cupola slags. Slevarenstvi 9 no.11:426-428 N '61.

1. Statni vyzkumny ustav materialu a technologie, slevarensky vyzkum, Brno.

(Founding) (Cupola furnaces)

SOCHOR, Bronislaw, prof. inz.

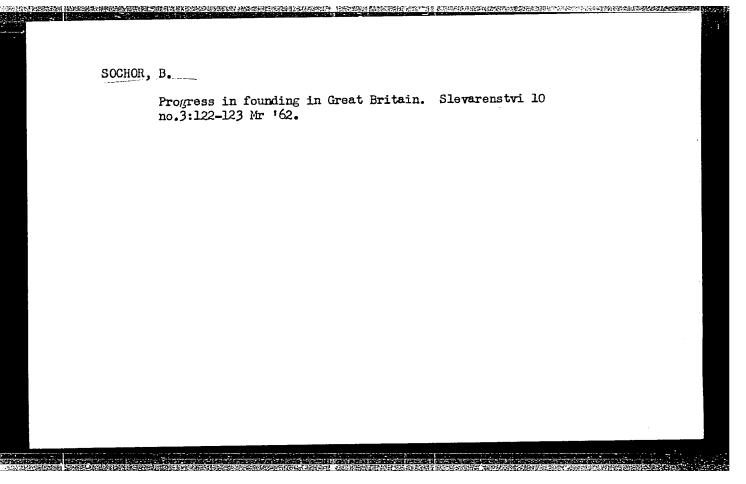
Thermal storage heaters. Wiad elektrotechn 28 no.4:90-92 Ap '61.

1. Katedra Grzejnictwa Elektrycznego, Politechnika, Lodz.

SOCHOR, Bronislaw, prof.

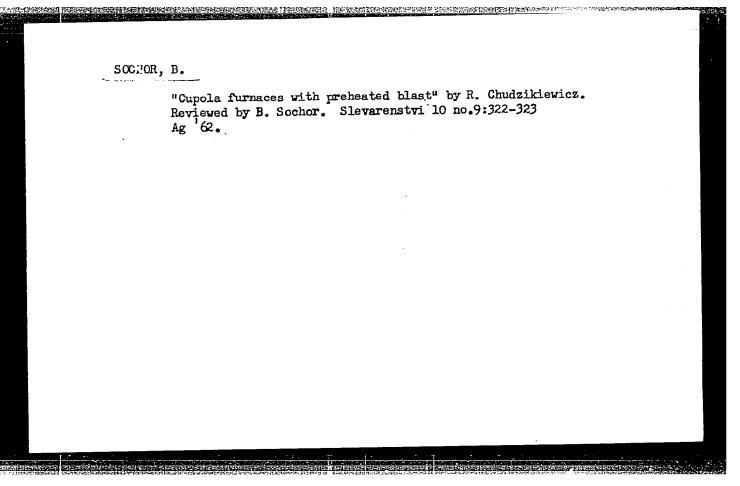
Water heating with the use of electric batteries. Wied elektrotechn 28 no.7:203-205 Jl '61.

1. Katedra Grzejnictwa Elektrycznego, Politechnika, Lodz.



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|         | Cupola gas cleaning. | Slevarenstvi | 10 | 10.7120) | 01 | U~8 |
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SIROKICH, J.; SOCHOR, B.; KIABAN, J.; STRBIK, Jan
Informations on founding. Slevarenstvi 10 no.8:321-323
Ag '62.



SOCHOR, Bretislav

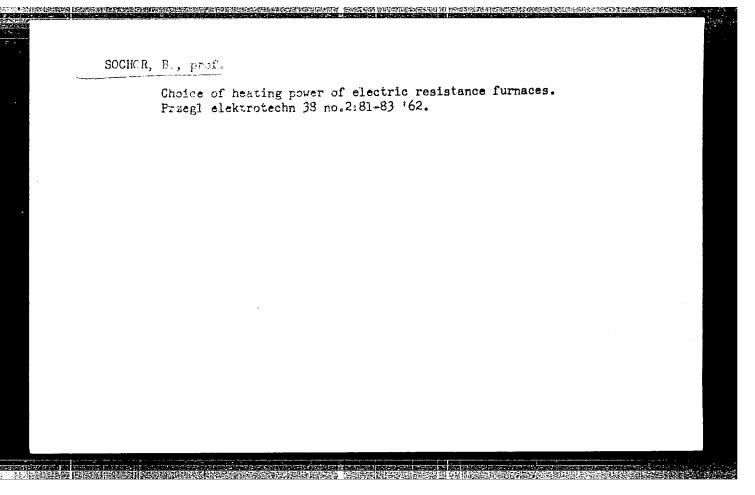
Present conditions of steel and grey iron melting in induction furnaces in Czechoslovakia and its outlook. Slevarenstvi 10 no.11:441-443 N '62.

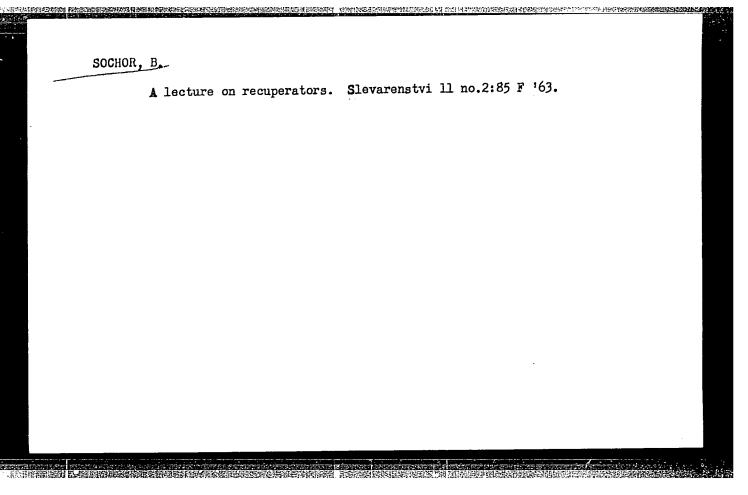
l. Statni vyzkumny ustav materialu a technologie, slevarensky vyzkum, Brno.

SOCHOR, Bretislav; HRUBY, Karel

Some problems in using refractory materials in induction melting furnaces in foundries. Slevarenstvi 10 no.11:443-446 N '62.

1. Statni vyzkumny ustav materialu a technologie, slevarensky vyzkum, Brno.





KLABAN, J.; GLOSROVA, M.; SOCHOR, B.; STRBIK, Jan
Information on founding. Slevarenstvi 11 no.2:90-94 F '63.

SOCHOR, B., prof.

Achievements and plans of the Polish Committee of Electrethermics. Przegl elektrotechn 39 no.8:321 Ag '63.

1. Przewodniczacy Polskiego Komitetu Elektrotermii, Marszawa.

SCHOR, Bronislaw, prof. mgr inz.

Possibilities of improving the daily load curve through developing storage heating. Gosp paliw 11 no.1:14-17 Je '63.

LEVICEK, P.; SOCHOR, B.

Reports. Slevarenstvi 11 no.7:300-303 Ji '63.

SOCHOR, B. prof.

Fifth International Congress on Electrothermics in Wiesbaden. Przegl elektrotechn 11 no. 4: Supplement: Elektrotermia 7 no. 2:193-196 Ap '64.

 Chairman of the Polish Committee on Electrothermics, Warsaw.

SOCHOR, Bronislaw, prof.

Resolution of the Economic Committee of the Council of Ministers concerning electric accumulator heating. Wiad elektrotechn 33 no.10:301-302 0 64.

1. Department of Electrothermics, Technical University, Lodz.

SOCHOR, Bronislaw, prof. mgr inz.

Scope of using electric accumulator heating in old-fashioned residential buildings in Poland. Gosp paliw 13 no.4:107-110 Ap '65.

1. Department of Electrothermics of Lodz Technical University.

SOCHOR, Bretislav, dr. inz.

The most frequent errors in cupola melting. Slevarenstvi 13 no.4:166-167 Ap '65.

Research on the rammed lining for melting nonferrous metals. Ibid: 171

SOCHOR, Bretislav

Correct use of rammed limings of induction melting and holding furnaces. Slevarenstvi 12 no.10: 71=393 0 164.

New rolling shop of the Lynchhuma Special Foundry in the United States, Ibid.:441

1. State Research Institute of Material and Technology, Foundry Research, Brno.

SOCHOR, J.; EENESOVA, D.

New possibilities in tomographic diagnosis. Cas.lek.cesk. 89 nc. 27:
New possibilities in tomographic diagnosis. Cas.lek.cesk. 89 nc. 27:
635-642 2 June 50.

(CIMI 19:4)

HESS, V. F. SOCHOR, J. SPACEK, B.

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Selective bronchography with a new contrast medium. Cas. Selective bronchography with a new contrast medium. Cas. (CLML 20:1) lek. cesk. 89 no.37:1011-1018 15 Sept. 1950.

1. Of the Biochemical Department of the State District Hospital in Prague XII (Head--V. F. Hess, M. D.). 2. Of the Lung Department of the State District Hospital in Prague XII (Head--J. Sochor, M. D.). 3. Of the Second Surgical Clinic of the State Faculty in Prague (Head--Prof. Jiri Divis, M. D.).

BARDOS, A.; MASAR, I.; TEREN, L.; SOCHOR, J.

Does an influenza epidemic increase the incidence of intrauterine fetal death? Gesk.gynek. 28 no.8:545-547 0 163.

1. I. gyn.-por. klin. Lek. fak. UK v Bratislave (prednosta prof. dr. S. Stefanik); Zdravot. komisia SNR v Bratislave.; II. gyn.-por. klin. Lek. fak. UK v Bratislave (prednosta doc. dr. A. Hudcovic); Gyn.-por. odd. OUNZ Bratislava-okolie (veduci MUDr. J. Sochor).

SOCHOR, J.; VALENT, M.

Contribution to the surgical treatment of prolapse of the female genitalia. Bratisl. lek. listy 44 no.3:172-176 64.

1. Gynekologicko-porodnicke odd. OUNZ, Bratislava-vidiek v Bratislave; veduci: MUDr. J.Sochor.

Comment mosters with alcohol admixture for the work during winter. Poz stavoy 12 no.11:478-481 '64.

1. Prezoke stavebni zavody, Branch Motovane stavby.

SOCHOR, J ; SLEZAK, P.; HRUBISKOVA, K.

Successful treatment of a case of afribinogenemia. Bratisl. lek. listy 44 no.7:429-432 15 0 '64.

1. Gynekologicko-porodnicke oddelenie Obvodniho ustavu narodniho zdravi Bratislava-vidiek, (veduci MUDr. J. Sochor,) a Fakultna transfuzna stanica, (veduci doc. MUDr. M. Hrubisko, C. Sc.).

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SOCHOR, Jaroslav, Dr.

Controlled pulmonary sound. Cas.lek.cesk. 91 no.40:1152-1155 3 Oct 52.

1. Prednosta plicniho oddeleni. Z Ustavu pro experimentalni chirurgii v Praze, reditel doc. dr. Spacek.

(LUNOS, blood supply, catheterization)

(CATHETERIZATION, of lung blood vessels)
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\*\*SOCIALISTICKE ZEMEDELSTVI, Vol. 3, No. 11, November 1953) Praha, Czechoslovakia SOCIALISTICKE ZEMEDELSTVI, Vol. 3, No. 11, November 1953) Praha, Czechoslovakia SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

SCCHUR, K.

"Lo We Have Suitable Czech Expressions for the Delicacies and Deinties of Cur
Plairy Restaurants?" p. 121 (Vyziva Lidu, Vol. 2, no. 7/2, July/Aug. 1953, Praha)

So: Monthly List of East European /ccessions, Vol. 3, no. 2, Library of Congress,
Feb. 1954, Uncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651910019-8"

SOCHOR, K.

"Care for the Use of Correct Technical Terminology in Agriculture", P. 646, (ZA SOCIALISTICK: ZEMEDELSTVI, Vol. 4, No. 6, June 1954, Fraha, Gzechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

OCHOR, K.

"Origin and Formation of Pechnical Ferms", P. 867, (AA COCKALINTER ENGLAND, Vol. 4, No. 7/8, July/Aug. 1954, Frana, Szechoslovakia)

SU: Nonthly List of dast Suropean Accessions, (EMAL), LC, Vol. 3, No. 12, 9ec. 1954, Urcl.

SOCHER, F.

New rules of Czech orthography.

F. 100 (Ministry of health, Research Institute for Organization of health Service) Vol. 12, No. 7/8, July/Aug. 1957

SC: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.

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SOCHOR, Milan; RAJCAN, Julius

Hydrothermic softening of the sessile oak wood (Quercus sessilis). Dreversky vyskum no.4:307-318 '62.

1. Statny drevarsky vyskumny ustav, Bratislava.

SCCHCR, R.

Solution of the problem of stability of compression chords of bridges without an upper wind bracing by means of virtual work.

p. 429 (Inzenyrske Stavby) Vol. 5, no. 8, Aug. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VCL. 7, NO. 1, JAN. 1958

SOCHOR, R.

TECHNOLOGY

periodicals: INSEMYRSKE STAVBY Vol. 7, no. 3, Mar. 1959

SOCHOR, R. Solution of the stability of compression chords and of the stress of semiframes of open bridges. (Conclusion) p. 102

Monthly List of East European Accessions (EFAI) LC Vol. 8, no. 5 May 1959, Unclass.

#### "APPROVED FOR RELEASE: 08/25/2000

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21,3100 AUTHORS:

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Patukhov, V.A., Habanec, J., Zhuravlev, A.A., Karmasin, M., Kotov, V.J., Myao, E.A., Obukhov, J.L., Sochor, V., Cirák, J., Bunda, F., Dobiáš, J., Marek, M., Fukhtle, T., Svetov, L. V.

A model of an annular cyclotron

PERIODICAL:

TITLE:

Jaderna energie, no. 4, 1961, 136 - 137

TEXT: This is a translation of an Russian article entitled "Model' kol'tsevogo fazotrona" (Model of an Annular Cyclotron) originally published in the Soviet periodical "Atomnaya energiya", 9, (1960), no. 12, pp 491-493. It deals with the model of an annular cyclotron which is a fixed-field, alternating-gradient accolerator, built by Soviet and Czechoslovak physicists at the United Institute of Medicar Research in Public Characters for an at the United Institute of Nuclear Research in Dubna. The proposal for an annular cyclotron was made for the first time in 1953 by A.A. Kolomenskiy, V.A. Petukhov and M.S. Rabinovich (Ref 1: Nekotoryye voprosy teoriyi taiklicheskikh unkoriteley(Home Problems of the Theory of Cyclic Accolerators), AN SSSR, 1955; Pribory i technika experiments (1956), no. 2, p. 26). The elec-Card 1/2

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A model of an annular eyeletron

tromagnet of the accelerator consists of eight similar, alternately reserved parts, each of which has two sectors with opposite orientation of the magnetic field, and two straight sections. The accelerator is used for electron acceleration. Electrons with energies of 20-40 kev can be injected either continuously or in pulses. Using a combination of eddy and radio-frequency fields, a beam energy up to 2MEV can be obtained with this model. Preliminary results obtained during test runs have shown the high accuracy of the machine and the great stability of its principal magnetic characteristics. Also, in agreement with the theory, a number of various resonances was observed which have a substantial influence on the intensity of the accelerated beam. There are 2 figures and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: K. Symon, Phys. Rev. 98 (1952), 1152; T. Okhawa, Rev. Scient. Instrum. 29, (1958), 108.

Card 2/2

CITCUTER, M; NEUCIET, V., ME; SOCHOR, V.

1. Intornal Medicine Vard of ZUNZ-VIKG (Vnitrni oddeleni ZUNZ-VARG), Ostrava-Vitkovico (for Neuwirt); 2. Intornal Medicine Vard OUNZ (Vnitrni oddeleni OUNZ).

Drno, Vnitrni leskaratvia He 5, 1963, LV 661-463

\*Circulatory Dynamics in Arterie-Veneus Fisula.\*

#### CIA-RDP86-00513R001651910019-8 "APPROVED FOR RELEASE: 08/25/2000

z/0038/64/000/003/0076/0078

ACCESSION NR: AP4019092

Sochor, Vaclav (Sokhor, V.) AUTHOR:

TITLE: Effect of preliminary particle bunching upon capture phase width in a

linear high-frequency electron accelerator

SOURCE: Jaderna energie, no. 3, 1964, 76-78

TOPIC TAGS: electron accelerator, high-frequency electron accelerator, linear electron accelerator, particle bunching, electron bunching, electron physics,

klystron

ABSTRACT: The number of electrons captured under accelerated conditions is determined by the shape of the potential energy of particle motion curve with respect to the sunchronous part. The capture phase width is always less than  $2\pi$  . The capture volume can be expressed by:

 $V = \frac{3}{4} \pi R^{3}l,$ 

where R and  $\mathcal L$  are the major and minor axes of the ellipsoid, respectively.

The electric field

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AP4019092 ACCESSION NR:

$$E_{zQ} = 4\pi\varrho k (z-z_0), \qquad (2)$$

will act on an electron deflected from the center of the capture at a distance of  $z - z_0$ . In this case,

 $k = \frac{1 - l_1^2}{2l_1^*} \left( \lg \frac{1 + l_1}{1 - l_1} - 2l_1 \right).$ 

The course of k as a function of the ratio  $R/\mathcal{L}$  is shown in Figure 1 of the enclosure. A part of the electrons injected remain unceptured during the extent of the entire high-frequency period. The use of aklystron-type buncher will enable the formation of bunched particles by velocity modulation. The phase width of this bunched particle beam is equal to the capture phase width. Hence, the number of captured particles will increase substantially. Particle bunching also has some negative consequences. The phase width decreases under the effect of a space charge and velocity straggling of the particles in the beam. The parameters of the buncher should be selected in such a way that these above-mentioned undesirable effects would be held to a minimum. "Authors wish to thank Eng. H. Top inkov for valuable discussions." Orig. art. has: 3 figures and 22 equations.

ACCESSION NR: AP4019092

ASSOCIATION: Fakulta technicke a jaderne fyziky CVUT, Prague (Department of technical and nuclear physics CVUT)

SUBMITTED: 00

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SUB CODE: PH, NS

NO REF SOV: 002.

OTHER: 001

ACCESSION NR: AP4034666

z/0038/64/000/004/0111/0113

AUTHOR: Sochor, Vaclav (Sokhor, V.)

TITLE: The effect of the space charge of the beam on the phase velocity of an accelerating wave

SOURCE: Jaderna energie, no. 4, 1964, 111-113

TOPIC TAGS: accelerator, linear accelerator, electron accelerator, space charge, space charge density, phase velocity, phase change, agglomeration, modulation, angular frequency, continuity equation, wave equation, vector potential, scalar potential, Bessel function

ABSTRACT: The present work was an investigation of the dependence of the phase velocity of an accelerating wave in a high frequency electron accelerator on the space charge of the beam. A continuously injected and velocity-modulated beam was studied. At velocities close to the velocity of light the influence of the space charge in a continuously injected beam appears to be negligible. Modulation of the beam in clusters even at non-relativistic velocities causes a substantial decrease in this effect. The calculation was made for a 3 MeV

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SOCHOR, Vaclav

"Principles of cyclic particle accelerators"by John J. Livingood. Reviewed by Vaclav Sochor. Cs cas fys 14 no. 1:69-71 '64.

 Fakulta technicke a jaderne fysiky, Ceske vysoke uceni technicke, Praha.

Codfort, V.

Codeling an electron-cotic system with axial symetry by means of a reciptance network. Chekhosl fiz zhumal 14 no.10:786-795 164.

1. Pacenty of Technical and Euclear Physics of the Czech Higher Ochool of Technology, Frague 1, Brehova 7.

L 22168-66 EWT(m) IJP(c)

ACC NR: AP6010695 SOURCE CODE: CZ/0037/65/000/005/0422/0437

AUTHOR: Sochor, Vaclav

ORG: Faculty of Engineering and Nuclear Physics, CVUT, Prague (Fakulta technicke a jaderne fyziky CVUT)

TITLE: Microton, 9 an effective accelerator

SOURCE: Ceskoslovensky casopis pro fysiku, no. 5, 1965, 422-437

TOPIC TAGS: particle accelerator, nuclear physics apparatus

ABSTRACT: A survey of the literature on the microton, describing the principle of its operation, the problems not yet solved, and new design proposals which enhance the effectiveness of this accelerator. The data of some microtons in operation in Europe (including Hungary and the USSR) and Canada are tabulated. Orig. art. has: 11 figures, 3 formulas, and 5 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: 12Feb64 / ORIG REF: 001 / OTH REF: 013 SOV REF: 010

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<u>L 22913-66</u> IJP(c)

ACC NR: AP6014801

SOURCE CODE: CZ/0038/65/000/011/0415/0418

AUTHOR: Sochor, Vaclav -- Sokhor, V.; Hamal, Karel -- Gamal, K.

32

ORG: Department of Technical and Nuclear Physics, CVUT, Prague (Fakulta technicke a jaderne fyziky CVUT)

TITLE: Experimental evaluation of characteristics of a linear high-frequency electron accelerator

SOURCE: Jaderna energie, no. 11, 1965, 415-418

TOPIC TAGS: electron accelerator, spectrometer, frequency characteristic

ABSTRACT: With the use of a sector magnet spectrometer, the characteristics of a linear high frequency electron accelerator were measured as follows: the mean total energy E, the spectrum width delta E, the dependence of the spectrum shape of high frequency input power and on injection voltage, the frequency characteristic and the current characteristic. At nominal frequency, the maximum energy was found to be achievable at minimum spectrum width. The spectrum splitting was observed at higher input power than nominal. This paper was presented by K. Rytina. Orig. art. has: 10 figures and 3 formulas. [NA]

SUB CODE: 20, 09 / SUBM DATE: none / ORIG REF: 003

Card 1/1

UDC: 621.384.64

L 36160-66 EWP(e) ACC NR: AP6018079

WH

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SOURCE CODE: CZ/0055/65/015/012/0933/0936

AUTHOR: Daricek, T.; Hamal, K.; Novotny, A.; Sochor, V.

ORG: Faculty of Technical and Nuclear Physics, Czech Technical University, Prague

TITLE: The character of oscillation spikes during quasicontinuous operation of a ruby laser

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 15, no. 12, 1965, 933-936 and insert pages 942a and 942b

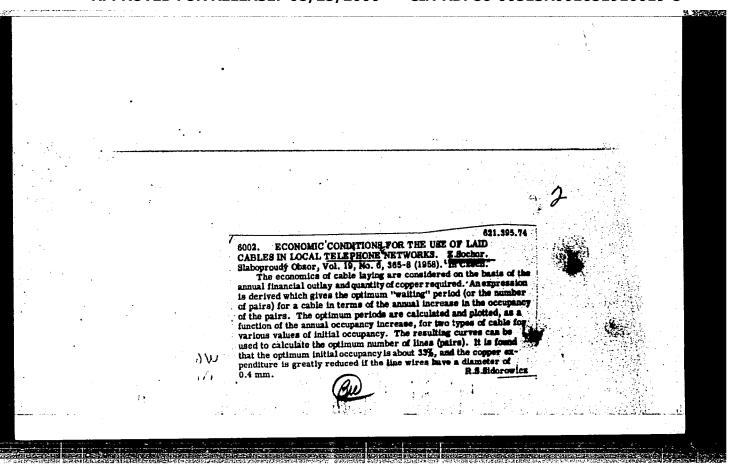
TOPIC TAGS: ruby laser, threshold energy, laser energy, laser optics

ABSTRACT: The authors discuss the quasi-continuous room-temperature operation of a ruby laser with a crystal placed in a spherical cavity and a minimum threshold pumping energy of 48 J. The pulse of stimulated emission lasted 2700 µsec. The character of the spikes was observed and was found to be far from sinusoidal. The authors discuss the results of threshold-energy measurements for other pumping configurations and compare them with results obtained by other authors. The authors thank Professor B. Havelka of Palacky University, Olomouc, for very valuable consultations in optics. Orig. art. has: 3 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 31May65/ ORIG REF: 002/ OTH REF: 007/ SOV REF: 003

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SOCHOR, Zdenek, inz.

Development of telephone operations. Cs spoje 7 no.8:11-14 Ag '62.

1. Vyzkumny ustav spoju.

SOCIKR, Edenek, inz.

Folution of damping in Prague. Os spoje 9 no.1 23 F/64.

1. Vyzkumny ustav spoju.

#### CIA-RDP86-00513R001651910019-8 "APPROVED FOR RELEASE: 08/25/2000

z/003/60/000/010/002/002 A201/A126

AUTHOR:

Sochorek, Otakar

TITLE:

Radio sets for our airplanes

PERIODICAL:

Kridla vlasti, no, 10, 1960, 10 - 11

The article contains the description and technical data on the Czechoslovak VKP LUN 10 3521 airborne and ground VHF radio sets, developed and produced by the Mikrotechna n.p. (Mikrotechna, National Enterprise) in Uherské Hradiste. The set has been tested with satisfactory results in the C-105 and C-205 aircraft for about 22 h each, and with the K-75 aircraft for about 60 h. The dimensions of the set proper are 245 x 125 x 205 mm, with controls on the front panel. The converter-filter coil assembly requires a mounting space of 185 x 300 x 215 mm. The entire equipment, including cables, antenna, earphones and microphone, weighs about 13 kg. The input of the set is about 150 - 200 w. The Mikrotechna plant is preparing a transistorized converter for the set, which will reduce the weight to 7 kg and the input to 60 - 70 w. The guaranteed range of the set is 75 km from an altitude of 1,500 m. In practical tests, however, reliable communication was achieved to a distance of 200 km in level areas, and

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Z/003/60/000/010/002/002 A201/A126

Radio set for our airplanes

100-120 km in mountainous areas. The set has 10 channels with easily exchangeable crystals. Five channels are tuned on the frequencies of the Prague, Holesov, Kosice, Sliac, Bratislava, Brno and Ostrava airfields, one channel is reserved for emergency frequency and four channels are free. The reception tuning is automatic with optional fine tuning. Non-directional earphones and a crystal microphone are used with the set. Technical data of the receiver: Range: from 108 to 132 Mc, including 108 - 112 Mc for ILS, 112 - 118 Mc for VOR and 118 - 132 Mc for communication; sensitivity: less than 10 wv for a 10 db signal-to-noise ric for communication; sensitivity: less than 10 Av for a 10 ab Signal-to-Holse ratio, and 15 v output voltage on 4,000 ohm earphones; regulation of HF sensitivity. tivity: from threshold sensitivity to 500  $\mu$ V; selectivity: attenuation of the adjacent channel + 200 kc better than a minimum of 50 db, band width 45 kc at 6 db; intermediate frequency: 13.4 Mc; power feed: 27 v + 10%. The receiver has a low-resistance output for connection of navigation instruments, a very sensitive VHF amplifier, and interference limiter and HF sensitivity attenuation. The transmitter has a frequency range from 118 to 132 Mc, an output of 2 w, a frequency stability of ± 0.01%, a temperature range from -45 to + 50°C, an 80% amplitude modulation for medium frequency bands. The operation of the set is cyclical: 1 minute transmission, 2 minutes reception; maximum continuous transmission is 10 minutes to be followed by a minimum of 5 minutes of cooling during

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Radio set for our airplanes

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reception. The price of a complete airborne set is 19,000 Czech Crowns. The ground station, adapted for 220 v grid, has a built-in loudspeaker. Its output is 5 w, and the price 28 - 30,000 Czech Crowns. The warranty for either set is 2 years. About 600 sets have been exported so far. There are 5 photographs.

ASSOCIATION:

KA Ostrava

Card 3/3

HEYROVSKY, A; SOCHOROVA, I.

Urine protein determination. Cas. lek. cesk. 89 no.49:1390-1391 8
Dec 50. (CIMI 20:4)

1. Of the Second Internal Clinic.

HEYROVSKY, A.; SOCHOROVA, I.

Clinical studies on blood proteins; possibilities of determination of albumin and d-, B- and reglobulin in blood serum. I. Possibility of determination of albumin and globulin subfractions in blood serum. Cas. lek. cesk. 92 no.23:619-623 5 June 1953. (CIML 24:5)

1. Of the Second Internal Clinic (Head--Prof. A. Vancura, M.D.) of Charles University, Prague.

VANO, Frantisek; KARABELLI, Jan; TOTH, Jan; SOCHOROVA, Viera

Liquid inflow control by a floating flowmeter with a photoelectric sensing device. Kwasny prum 10 no.5:105-109 My '64.

1. Research Institute of the Distillation and Canning Industry, Bratislava.

SOCHOVA, V.B.; ISACHENKO, T.I.; LIPATOVA, V.V.

Work done by the V.L. Komarov Botanical Institute of the Academy of Sciences of the U.S.S.R. in the Amur basin in 1957. Bot. zhur. 43 no.7:1069-1075 J1 58. (MIRA 11:9)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR, Leningrad. (Amur Valley--Botany--Ecology)

SOCHOVSKY, Josef; MIKSAN, Vojtech

Semiautomatic apparatus for the control of turbine blades. Stroj vyr 11 no. 12: 631 '63.

1. Zavody V.I. Lenina, n.p., Plzen.

SOCHUREK, A.

"Determining the Crystallic and Amorphous Parts of Cellulose." p. 84, Praha, Vol. 9, no. 4,
Apr. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651910019-8"

SOCHUREK, K.

"Flights Over Mountainous Terrain", P. 296, (KRIDLA VIASTI, No. 13, June 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 3, No. 12, Dec. 1954, Uncl.

SOCHUREK, K.

Two long waves. p. 591

KRIDLA VLASTI No. 25, Dec. 1955

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

SOCI, A.; SZMUK, A.

Nuclear energy and its prospective bearing upon the development of electric-power engineering in Rumania, p. 163

Academia Republicii Populare Romine. Institutul de Energetica. STUDII SI CERCETARI DE ENDROCTICA. Bucuresti, Rumania. Vol. 8, no. 2, 1958.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959.

Uncl.

S/262/6**2**/000/015/002/011 I007/I207

AUTHORS:

Grecov, D., Haiduc, C. and Soci, A.

TITLE:

Determination of coolant optimum-temperature at the inlet into the nuclear power

reacto

PERIODICAL

Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 15, 1962, 14, abstract

42.15.60 (Studii și cercetări energ. Acad. RPR, v 11, no. 3, 1961, 455-467 [Rumanian])

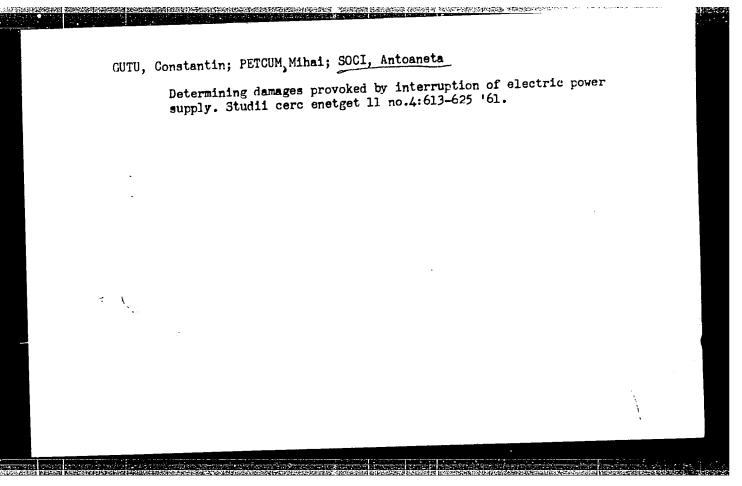
TEXT: The dual-cycle system in which the primary coolant ensures heat removal, while the secondary coolant (water) is intended to carry the thermodynamic cycle of power generation, is widely used in nuclear power plants. Proceeding from theoretical considerations, the authors study the influence of the temperature  $t_1$  of different primary coolants at the inlet into the nuclear reactor circuit, on the net efficiency of the power plant. As coolants  $CO_2$ , helium, polyphenil or water may be used. A formula is suggested for determining the optimum value of  $t_1$ . There are 5 figures and 4 references.

[Abstracter's note: Complete translation.]

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Card 1/1

|          | SOCI, A. |  |                |              |                         |          | 1       |          |
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|          | · ·      | Bucharest, Studil s<br>Energotics Generals | d Cercotari de | hergetics/   | Soria 1<br>2, 1962, pp. | 229-247• |         |          |
|          |          | *Damages Caused by<br>Mrnufacture of Pol   | the Interment  | on of Electr | ic Power in t           | ert      |         | <b>©</b> |
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|          |          | PETCU, N.                                  |                |              |                         | •        |         |          |
|          |          | SOCI, A.                                   | =·- ·          |              |                         |          |         |          |
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GUTU, G., ing.; PETCU, M., ing.; SOCI; A., ing.

Calculation of the economic effects of electric ascidental interruptions. Energetica Rum 11 no.10:525-531 0'63.

GUTU, C., ing.; PETCU, M., ing.; SOCI, Antoaneta, ing.

Calculation of the economic effects of the electric interruptions in cotton spinning mills and in cotton fabric finishing. Ind text Rum
13 no.8:309-314 Ag '62.

-

GUTU, Constantin; PETCU, Mihai; SOCI, Antoaneta
Criteria for estimating economic effects caused by voltage
variations. Rev electrotechn energet 9 no.3:357-366 164

SOCIAVA, V.

"The basic principles of geobotanical soning. Tr. from the Russian", p.111 (Analele Romano-Sovietice. Seria Biologie, Series a II-a, v. 8, no. 1, Jan./Mar. 1953.

Bucuresti)

Rast Burepean Vol. 2, 16, 9

So: Monthly List of Massian Accessions, Albrary of Congress, September 1953, Uncl.

京就起**到的时间,我只想以上的知识的,我们还是我们们的**对于这种的是我们的是我们的是我们的是我们的,我们就是我们的,我们们们也是不是一个人,不是一个人,一个人,一个

SOCIU, Maria; POPESCU, Alexandrina

Intestinal parasites in three species of murines and in Citellus citellus of the Dobruja region. Comunicarile AR 12 no.5:559-564 My '62.

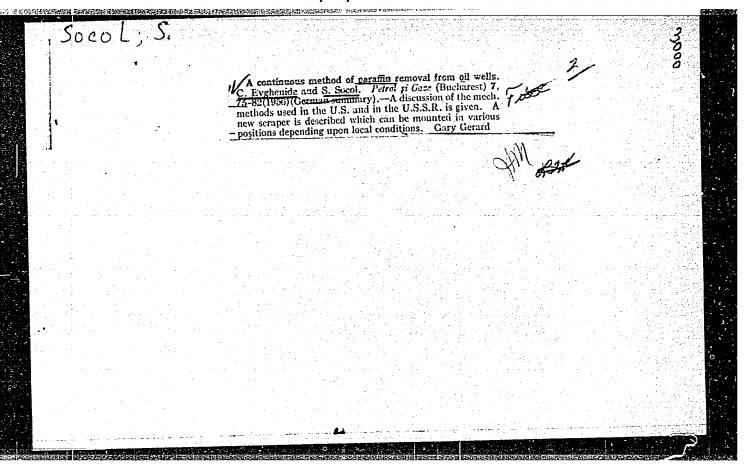
1. Comunicare prezentata de M. A. Ionescu, membru corespondent al Academiei R.P.R.

SOCKO, D.

Deep drawing by the force of friction, a new technological process. p. 29.

(MECHANIK. Poland, Vol. 30, no. 1. Jan. 1957)

SO: Monthly List of East European Accessions (EFAL) LC, Vol. 6, no. 7, July 1957, Uncl.



COCOL, S.; EVGHENIDE, C.

A new method of studying the flow of gas-crude oil mistrues through vertical pipes. Pt. 1. p. 260

PEPTOL SI GAZE. (Asociatia Stiintifica a Inginerilor si Tehnicienlor din Rominiasi Ministerul Industriel Pertolului si Unimiei) Bucuresti, Romania. Vol. 10, no. 6, June 1959

Monthly List of East European Accessions (FEAI) LC Vol. 9, no. 2, Jan 1960 Uncl.

SCCCL, S: EVGHENIDE, C

A new method of sutdying the liftow of gas--crude oil mixtures through vertical pipes. Pt.2. p.304

PETROL SI GAZE. (Asociatia Stiintificia a Inginerilor si Tehnicienilor din Rominia si Ministerul Industriei Pertolului si Chimiei) Lucuresti Rumania Vol.10, no.7 July 1959

Monthly list of East Turerean InAccessions (EFAI) LCsVol9; no.2 Feb. 1960 Uncl.

SCCOL, S.; IONASCUT, A.

Systems of automation in the petrolium extractive industry. I. p. 401.

PETROL SI GAZE, (Asociatia Stiintificia a Ingineri or si Technicienilor din Rominia si Ministerul Industriei Petrolului st Chimiei) Bucuresti Rumania. Vol. 10, no. 9, 1959

Monthy list of East European Accessions (EEAI) LC Vol. 9, no. 2 Feb. 1960

Uncl.

SOCOL, S. ; TONASCUT, AL

Systems of automation in the petroleum extractive industry. II. p. 449.

PERTOL SI GAZE. (Asociatia Stiintifica a Inginerilor si Tehnicienlor din Rominiasi Ministerul Industriel Pertolului si Chimiei) Bucuresti, Romania. Vol. 10, no. 10, Cct 1959

Monthly List of East European Accessions (FEAI) LC VOl. 9, no. 2, Jan 1960 Uncl.

EVGHENIDE, C., ing.; IONASCUT, A., ing.; SOCOL, S., ing.

Possibilities of using semiconductors in the industry of gas and crude oil. Petrol si gaze 11 no.3:134-140 Mr 160.

1. Institutul de Cercetari pentru Foraj si Extractie.

(Petroleum industry) (Gas industry) (Semiconductors)

CEGOLEA, A., ing.; EVGHENIDE, C., ing.; SOCOL, S., ing.

Automation in collecting and conveying the crude oil by main pipelines. Petrol si gaze 12 no.3:119-126 Mr \*61.

1. Institutul de Cercetari pentru Foraj si Extractie (for Cegolea, Evghenide). 2. Ministerul Industriei Petrolului si Chimiei (for Socol).

EVGHENIDE, C., ing.; SOCOL, S., ing.

Additional explanations of the simultaneous employment of several hydraulic bottom hole compensators in the same well. Petrol si gaze 12 no.8:376 Ag 61.